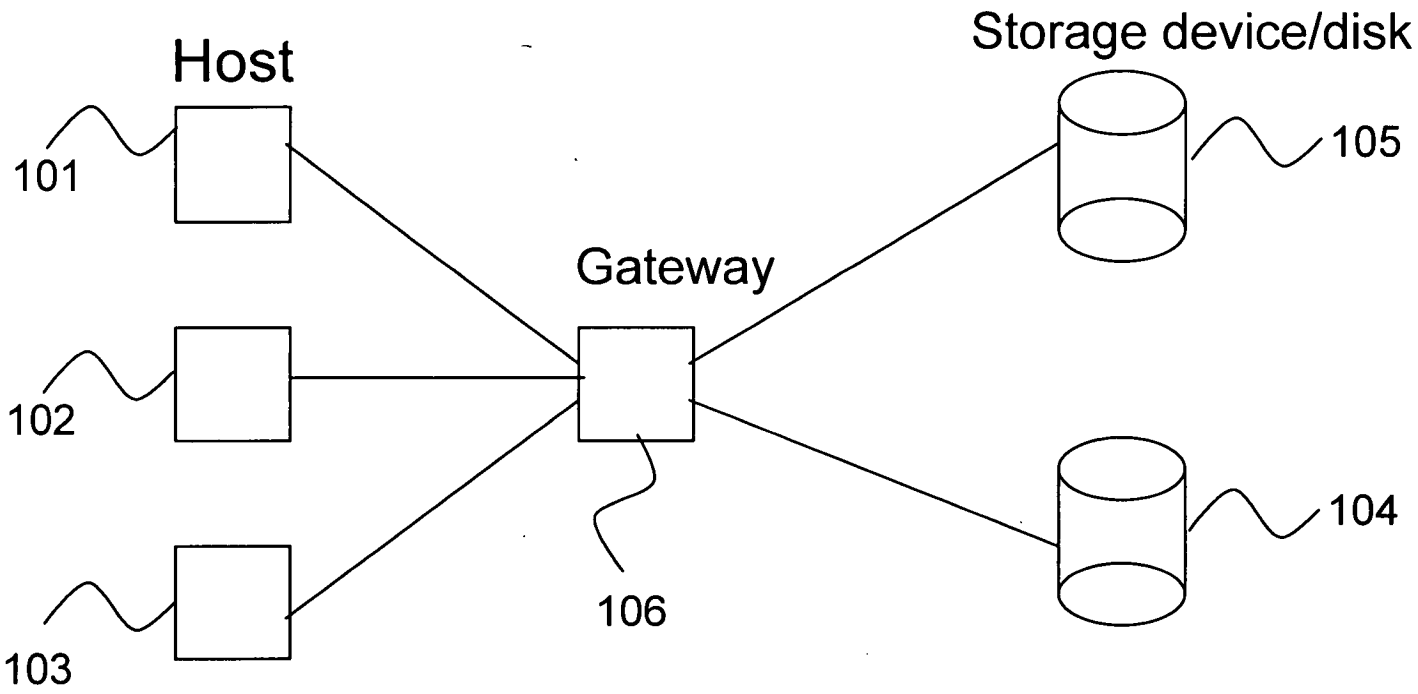
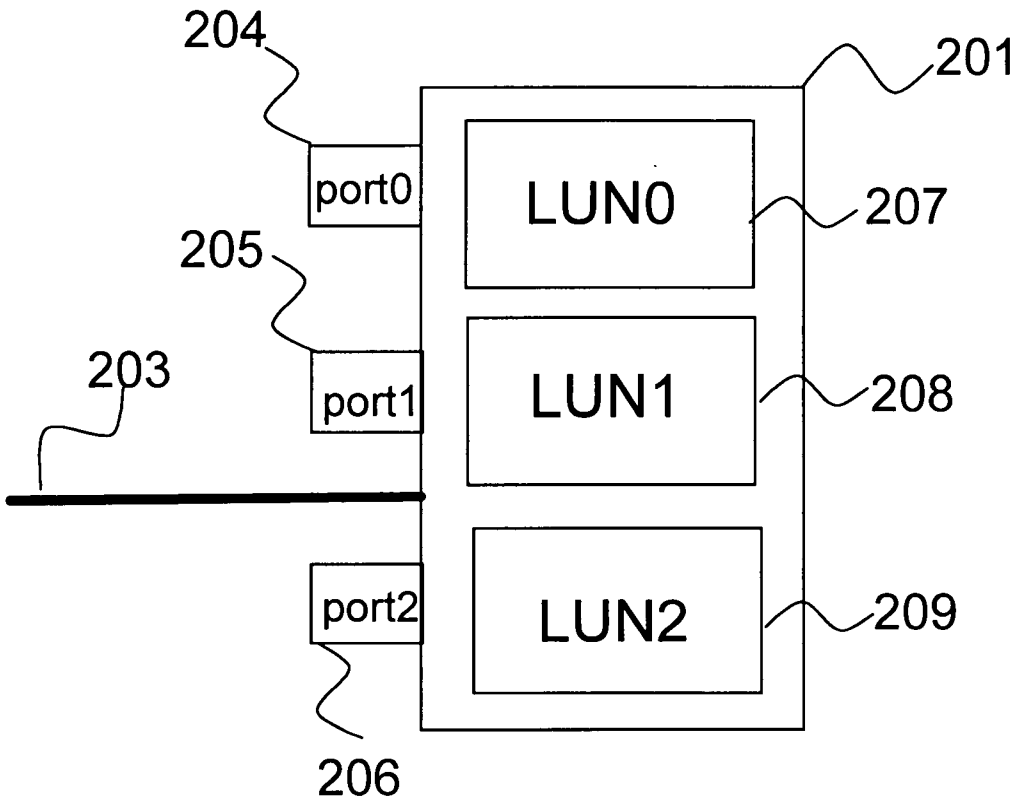


Fig. 1



202

Port#	LUN#	Access rights
port0	LUN0	read/write

Fig. 2

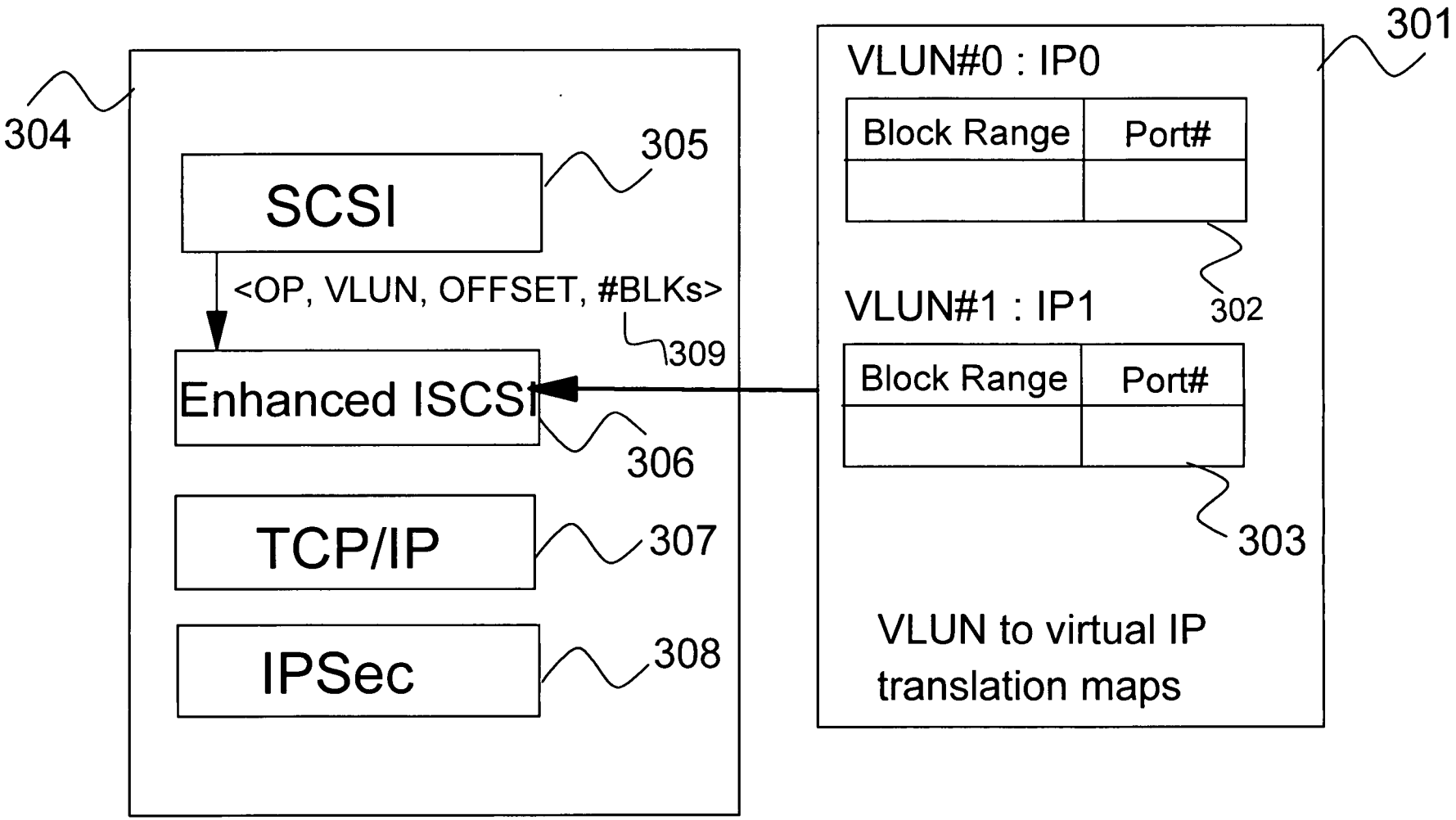

304
305
SCSI
<OP, VLUN, OFFSET, #BLKs>
309
Enhanced ISCSI
306
TCP/IP
307
IPSec
308
301
VLUN#0 : IP0
Block Range
Port#
302
VLUN#1 : IP1
Block Range
Port#
303
VLUN to virtual IP translation maps

Fig. 3

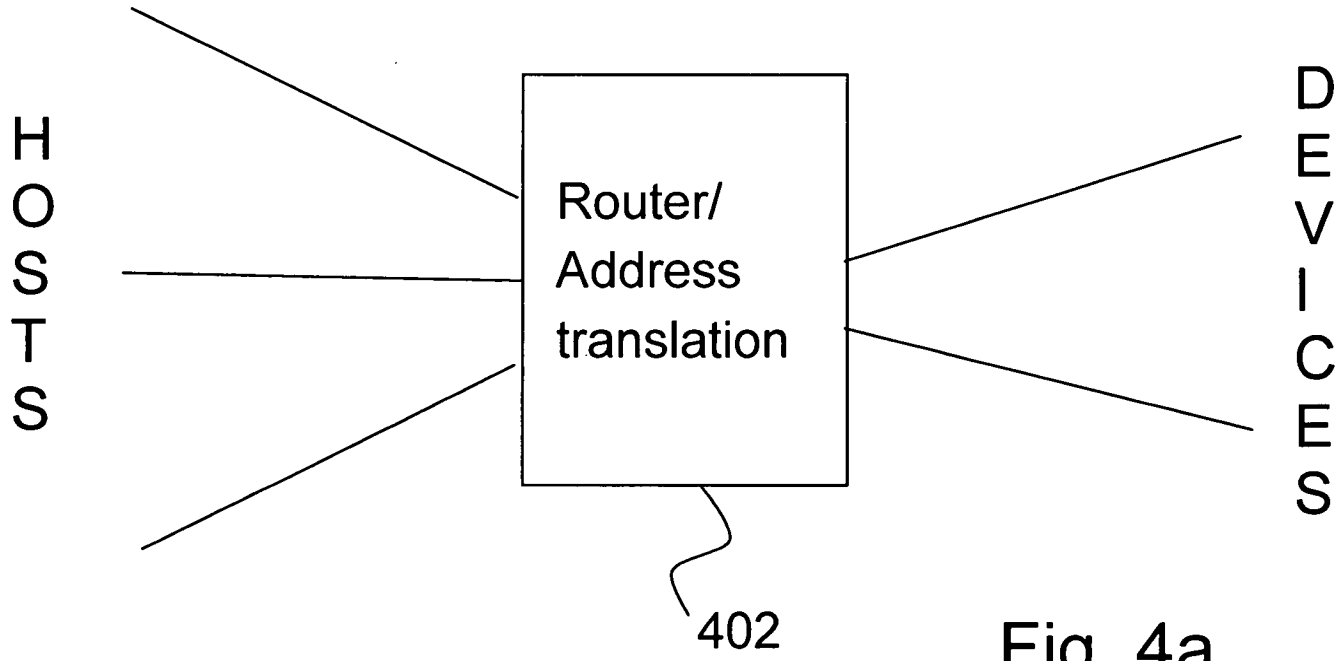


Fig. 4a

HOST SIDE Interfaces	DEVICE SIDE Interfaces
<Virtual IP, port>	<Physical IP, port>

401

Fig. 4b

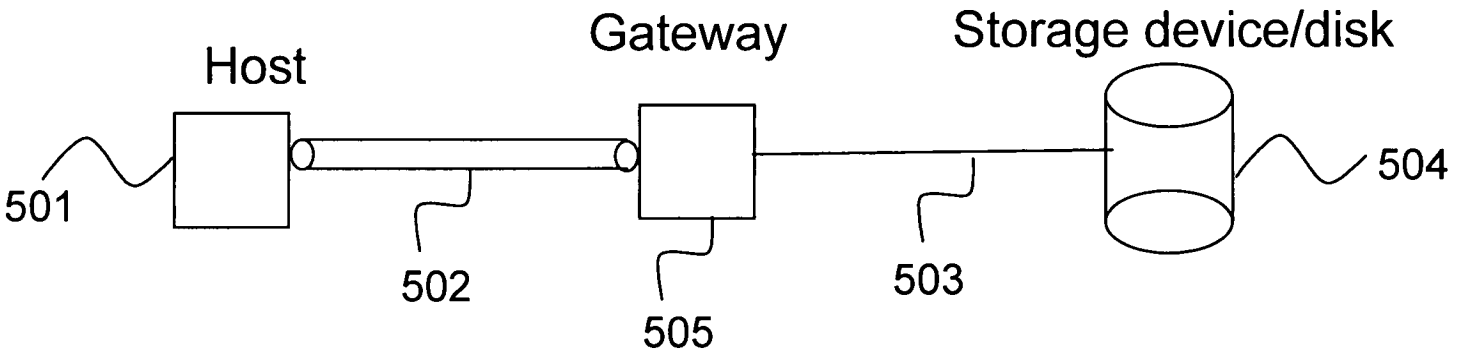

Host
Gateway
Storage device/disk
501
502
505
503
504

Fig. 5a

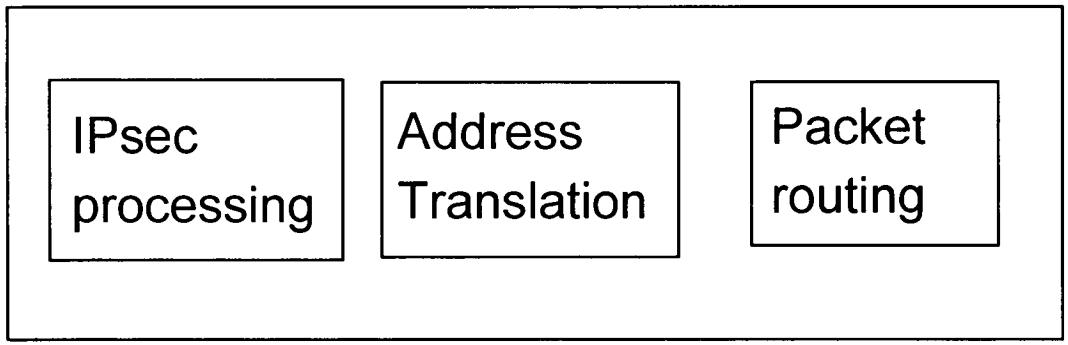

IPsec processing
Address Translation
Packet routing

Fig. 5b

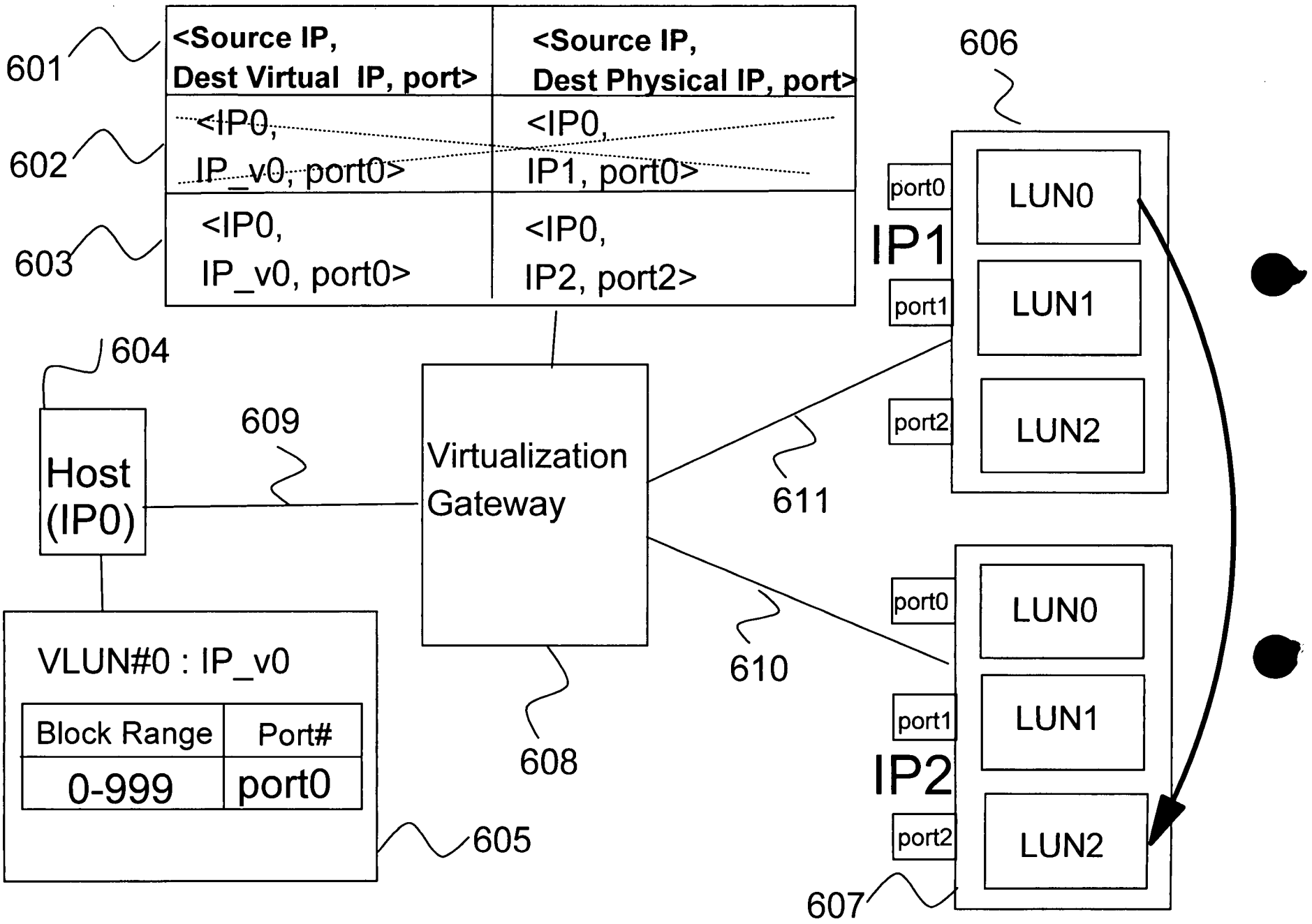

<Source IP, Dest Virtual IP, port>
<Source IP, Dest Physical IP, port>
601
602
603
<IP0, IP_v0, port0>
<IP0, IP1, port0>
<IP0, IP_v0, port0>
<IP0, IP2, port2>
606
port0
LUN0
IP1
port1
LUN1
port2
LUN2
604
609
Host (IP0)
Virtualization Gateway
611
610
608
VLUN#0 : IP_v0
Block Range
Port#
0-999
port0
605
port0
LUN0
port1
LUN1
IP2
port2
LUN2
607

Fig. 6

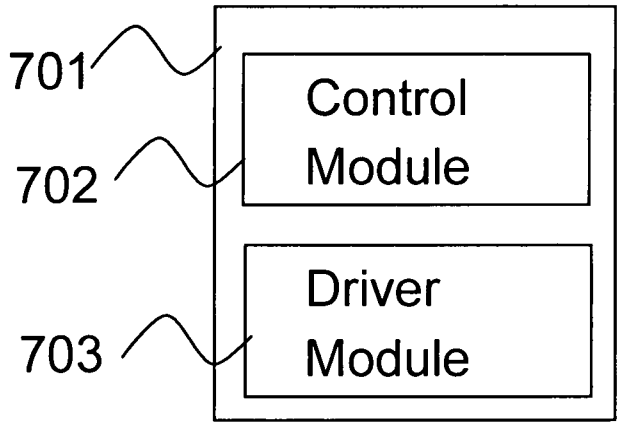


Fig. 7a

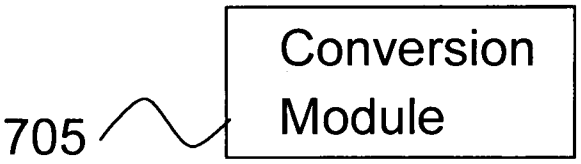


Fig. 7c

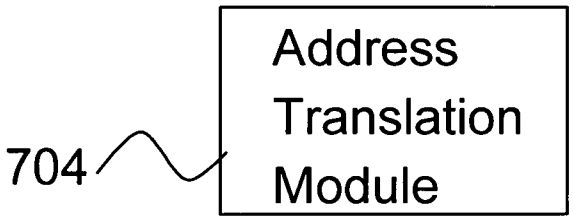


Fig. 7b